

Recombinant Human B4GALNT2 protein, His & T7-tagged

Cat. No. B4GALNT2-1690H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human B4GALNT2 aa. (Thr324~Ala566 (Accession # Q8NHY0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr324~Ala566
Description	B4GALNT2 catalyzes the last step in the biosynthesis of the human Sd(a) antigen through the addition of an N-acetylgalactosamine residue via a beta-1,4 linkage to a subterminal galactose residue substituted with an alpha-2,3-linked sialic acid. B4GALNT2 also catalyzes the last step in the biosynthesis of the Cad antigen (Montiel et al., 2003 [PubMed 12678917]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.3kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	6.2

GENE INFORMATION

Gene Name	B4GALNT2 beta-1,4-N-acetyl-galactosaminyltransferase 2 [Homo sapiens (human)]
Official Symbol	B4GALNT2
Synonyms	B4GALNT2; beta-1,4-N-acetyl-galactosaminyltransferase 2; B4GALT; GALGT2; beta-1,4 N-acetylgalactosaminyltransferase 2; UDP-GalNAc:Neu5Aca2-3Galb-R b1,4-N-acetylgalactosaminyltransferase; UDP-GalNAc:Neu5Acalpha2-3Galbeta-R beta1,4-N-acetylgalactosaminyltransferase; beta 1,4 N-acetylgalactosaminyltransferase/betal,4 GalNAcT/Sda-GalNAcT; beta-1,4-N-acetyl-galactosaminyl transferase 2; beta-4-N-acetylgalactosaminyltransferase; sd(a) beta-1,4-GalNAc transferase; sda beta-1,4-GalNAc transferase
Gene ID	124872
mRNA Refseq	NM_001159387.1

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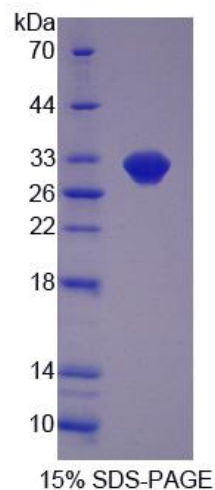
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Protein Refseq NP_001152859.1

UniProt ID Q8NHY0

SDS-PAGE



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